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Substitute for form 1449/P10

Sheet 1

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Cor	mplete if Known	
Application Number	10/797,343	
Filing Date	March 10, 2004	
First Named Inventor	Robert Dobbs	
Art Unit		
Examiner Name		
Attorney Docket Number	498P001	

F	Cian	Decument Alumber	Publication Date	DOCUMENTS  Name of Patentee or	Pages, Columns, Lines, Where
Examiner Cite Initials* No.1		Document Number	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2 (7 known)</sup>			Figures Appear
MAKE	Α	<sup>US-</sup> 5,407,464	04/18/95	Kaliski	
SALL)	В	<sup>US-</sup> 5,704,556	01/06/98	McLaughlin	
	С	<sup>US-</sup> 2,581,414	01/08/52	Hochberg	
	۵	<sup>US-</sup> 5,478,705	12/26/95	Czekai, et al.	
-	Ε	<sup>US-</sup> 5,518,187	05/21/96	Bruno, et al.	
$\neg \uparrow$	F	US- 3,690,962	09/12/72	Rudy	
	G	US- 3,737,289	06/05/73	Rudy	
$\top$	Н	US- 3,779,745	12/18/73	Rudy	
	$\vdash$ $\vdash$	<sup>US-</sup> 4,066,451	01/03/78	Rudy	
	J	US- 6,520,837	02/18/03	Weichert	
	К	<sup>US-</sup> 5,033,682	07/23/91	Braun	
	L	<sup>US-</sup> 6,387,152	05/14/02	Klassen et al.	
	М	<sup>US-</sup> 6,627,104	09/30/03	Wang et al.	
	N	us- 6,017,504	01/25/00	Kaliaguine et al.	
	0	us- 6,152,982	11/28/00	Froes et al.	
	Р	US- 6,403,257	06/11/02	Christian et al.	
	Q	<sup>US-</sup> 6,231,636	05/15/01	Froes	
IN-	R	<sup>US-</sup> 4,275,026	06/23/81	Hazel et al.	
WD	3	US- 5,034,069	07/23/91	Farge et al.	

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	هر ا
		Country Code <sup>3</sup> Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Ľ
AM.	Т.	JP 4293557	10/19/92	Kitagaki		<u> </u>
arist I	7U	JP 8276364	10/22/96	Toyokura		<b>!</b>
1/1/	V	JP 2001030175	02/06/2001	Ueno		
///	W	JP-200202264023	09/18/2002	Une		┡
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Date Examiner Considered Signature

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Substitute for form 14	ADIRTO	Cor	mplete if Known
Substitute for form 14	49/210	Application Number	10/797,343
	TION BIOOL OCUBE	Filing Date	March 10, 2004
INFORMATION DISCLOSURE		First Named Inventor	Robert Dobbs
STATEME	NT BY APPLICANT	Art Unit	
(Use as	many sheets as necessary)	Examiner Name	
hast 2	of 3	Attorney Docket Number	498P001

Sheet	12	of 3		Attorney Docket Number	498P001
			U S DATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (F known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Docum	
V	XΧ	<sup>US-</sup> 5,246,056	09/21/93	Lomax et al.	
	Y	<sup>US-</sup> 5,261,477	11/16/93	Brunet et al.	
- WI	Z	US- 5,310,605	05/10/94	Baldoni, II et al.	
	AA	<sup>US-</sup> 5,401,694	03/28/95	Gesing et al.	
	AB	<sup>US-</sup> 5,918,103	06/29/99	Kobayashi et al.	
- 1	AC	<sup>US-</sup> 5,993,506	11/30/99	Kobayashi et al.	
	AD	US- 5,500,289	03/19/96	Gavish	
	AE	us- 6,036,099	03/14/00	Zhao et al.	
	AF	<sup>US-</sup> 6,254,658	07/03/01	Taniuchi et al.	
d L	+	<sup>US-</sup> 6,571,493	06/03/03	Amano et al.	
M	AH	<sup>US-</sup> 6,669,747	12/30/03	Salman	
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Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document  Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear  To	Where Relevant Passages	_
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Subatib	to for form 1449/PTO				Complete if Known
Subsum	@ 101 10M1 1449/F1O			Application Number	10/797,343
INF	ORMATION	N DIS	CLOSURE	Filing Date	March 10, 2004
STA	TEMENT I	BY A	PPLICANT	First Named Inventor	Robert Dobbs
	NFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use as many sheets as necessary)  neet 3 of 3		Art Unit		
	(Use as many sh	eets as n	ecessary)	Examiner Name	
Sheet	3	of	3	Attorney Docket Number	498P001

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
W.	Al	[022] V. N. Eremenko, et al, "Investigations of alloys or the ternary systems W-HfC-C and W-ZrC-C at subsolidus temperatures," Dokl.Akad. Nauk. Ukr. SSSR, Ser. A No. 1, 83-88 (1976)	
	AJ	L.V. Artyukh, et al, "Physicochemical reactions of tungsten carbide with hafnium carbide," Izv. Akad. Nauk SSSR, Neorg. Mater., No. 4, 634-637 (1976)	
A	AK	T. Ya. Velikanova, et al, "Effect of alloying on the structure and properties of cast WC1-x Materials," Poroshkovaya Metallurgiya, No. 2 (218), 53-58, (1981)	
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